

Name: \_\_\_\_\_

Date: \_\_\_\_\_

### Individual Graphing Quadratic Functions Practice

1. Graph  $y = x^2 + 6x - 1$  on the grid on the back of this paper. Provide all information requested.

axis of symmetry: \_\_\_\_\_

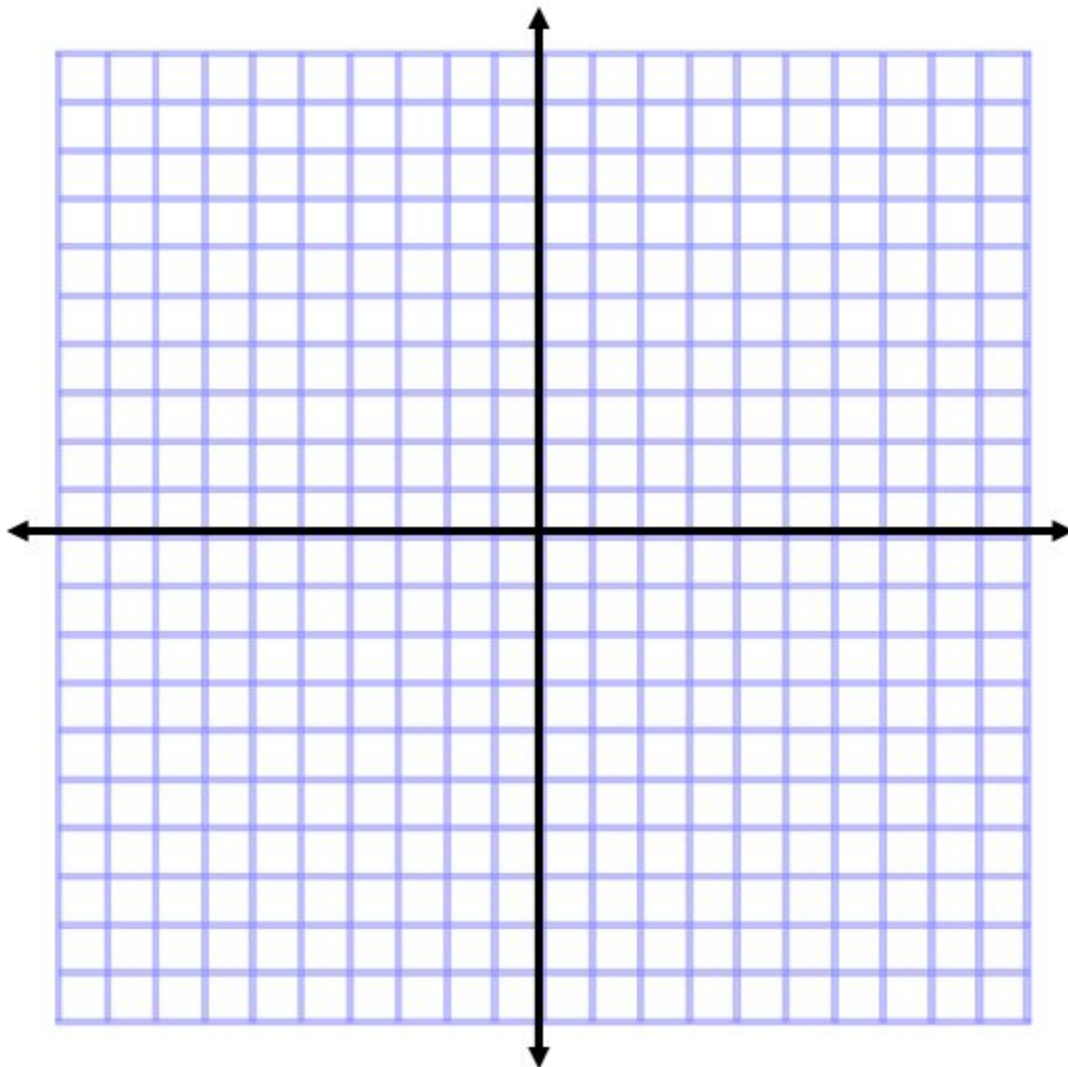
vertex: (\_\_\_\_, \_\_\_\_)

point #1: (\_\_\_\_, \_\_\_\_)

reflection of point #1: (\_\_\_\_, \_\_\_\_)

point #2: (\_\_\_\_, \_\_\_\_)

reflection of point #2: (\_\_\_\_, \_\_\_\_)



**CHALLENGE:** Graph:  $y = -2x^2 - \frac{1}{2}x + 6$  on the grid above after providing the information below.

axis of symmetry: _____	vertex: (____, ____)
point #1: (____, ____)	reflection of point #1: (____, ____)
point #2: (____, ____)	reflection of point #2: (____, ____)